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PHOTOGRAPHIC INTERPRETATION REPORT

INSTALLATIONS IN THE VICINITY OF  
THE MISSILE AND PROPULSION TEST  
COMPLEX NEAR PEIPING, CHINA

NPIC/R-111/63

July 1963

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

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## INTRODUCTION

This report supplements NPIC/R-27/63, Missile and Propulsion Test Complex Near Peiping, China (Figure 1). 1/ It provides a photographic interpretation of a number of installations in the vicinity of the test complex (39-50-45N 116-08-20E), covered by photography

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Located within 2 nautical miles (nm) of the test complex are a large unidentified industrial installation and housing area, a thermal power plant, a large housing and/or possible R & D area, an unidentified secured area, an unidentified storage area, and a munitions storage area which may be abandoned. Excepting the muni-

tions storage area, all of these installations have some segments of construction which appear to parallel the construction sequence at the test complex. A POL storage area, a small sod airfield, an unidentified mining and/or construction material processing plant, and three areas of military activity, which do not appear to have a comparable construction timing sequence with the test complex, are located from one to 3 nm from the test complex. The installations are shown in Figures 2 and 3, and coordinates are listed in Table 1.

Table 1. List of Coordinates

Installation	Coordinates	
	N	E
Missile and Propulsion Test Complex	39 50 45	116 08 20
U/I Industrial Installation and Housing Area	39 49 00	116 08 06
Thermal Power Plant	39 48 45	116 08 35
Housing and/or Possible R & D Area	39 48 25	116 09 20
U/I Secured Area	39 47 25	116 09 30
U/I Storage Area	39 50 30	116 07 30
Chang-hsin-tien Munitions Storage Area*	39 49 30	116 09 30
Kapg-na POL Storage Area*	39 47 50	116 10 20
Sod Airfield	39 45 35	116 07 50
U/I Mining and/or Construction Material Processing Plant	39 50 00	116 08 10
Peiping Army Barracks Southwest Chang-hsin-tien*	39 48 40	116 10 50
Military Barracks and Depot Chang-hsin-tien Area*	39 50 35	116 11 30
Military Barracks Area Nan-ying*	39 51 30	116 09 30

\*Designation taken from US Air Target Chart, Series 200, Sheet 0381-1AL, 2nd ed, Jul 60, scale 1:200,000 (SECRET)

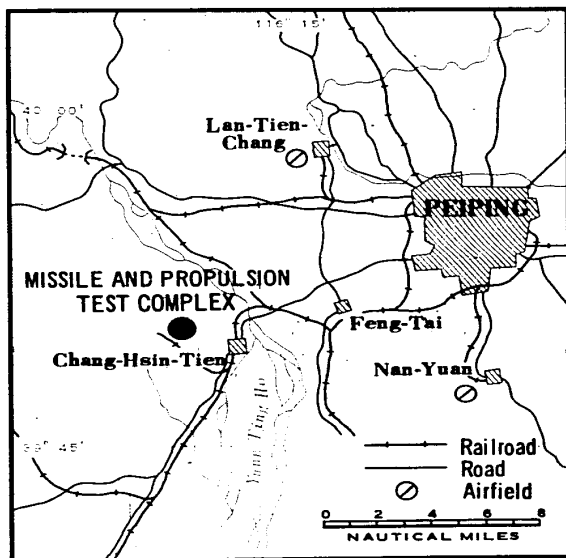


FIGURE 1. LOCATION OF MISSILE AND PROPULSION TEST COMPLEX.

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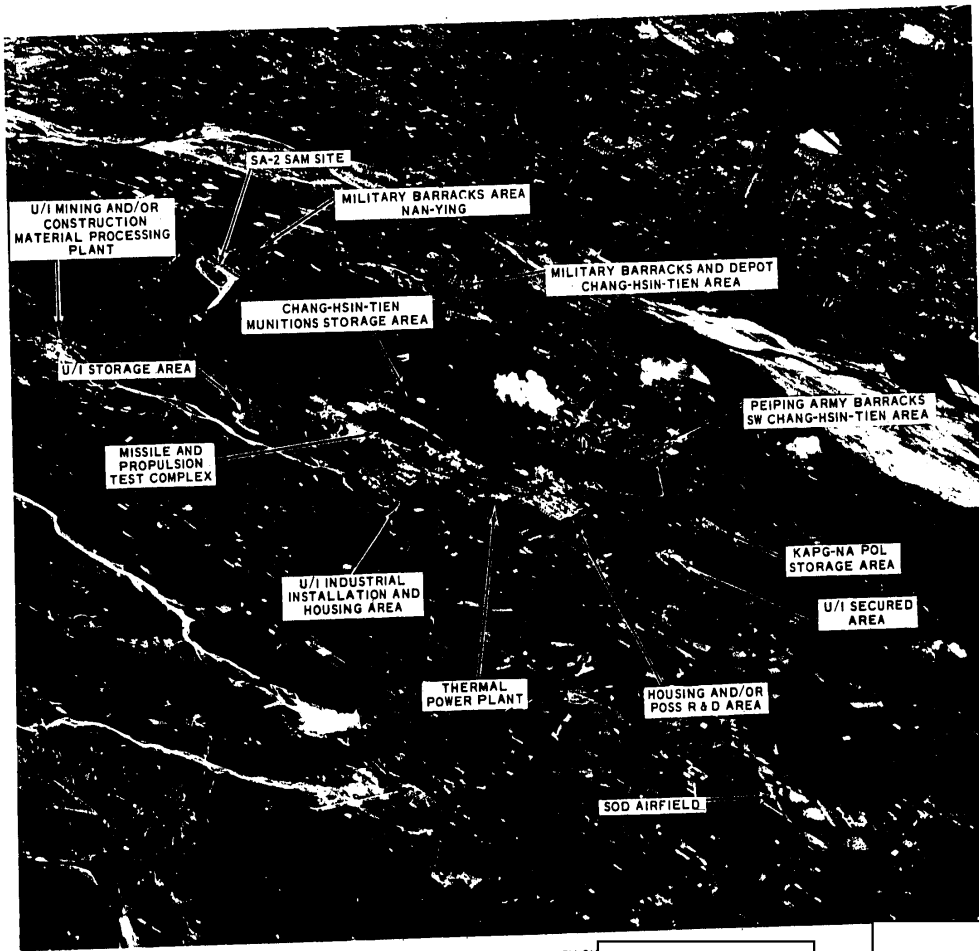


FIGURE 2. INSTALLATIONS NEAR TEST COMPLEX AS SEEN ON

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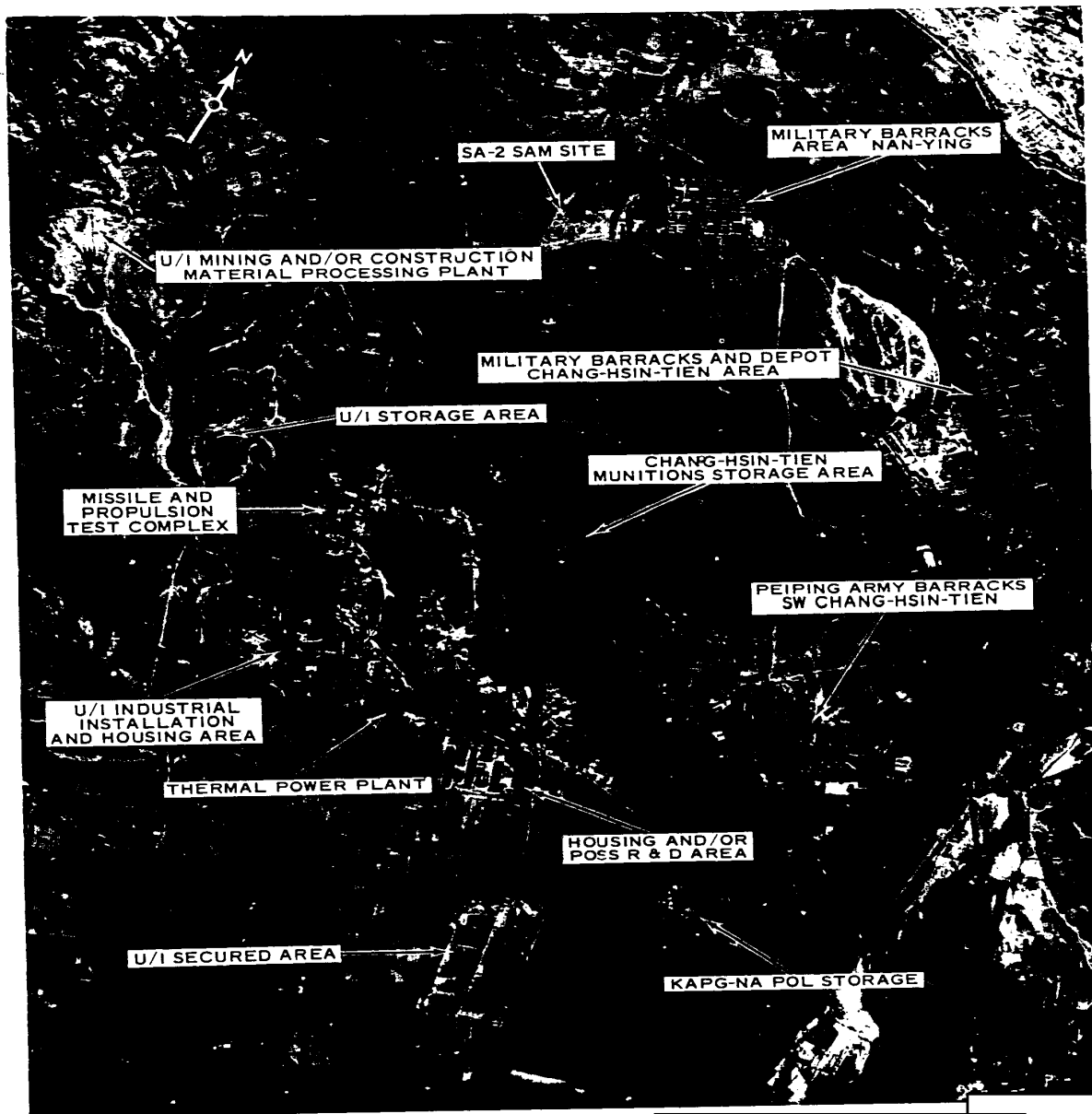


FIGURE 3. INSTALLATIONS NEAR TEST COMPLEX AS SEEN ON

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The unidentified mining and/or construction material processing plant is located at the end of a rail line which also has spurs serving the Static Test Area at the test complex, the thermal power plant, and the POL storage area. Two of

the three areas of military activity are served by spurs from the main Peiping rail line. All of the installations, with the exception of the sod airfield, are connected by roads with each other, though some of the routes are somewhat devious.

#### UNIDENTIFIED INDUSTRIAL INSTALLATION AND HOUSING AREA

The unidentified industrial installation and housing area, previously reported as a munitions storage area, 1/ is a secured facility located about 2,500 feet south of the Static Test Area (Figures 4 and 5). Covering an area 3,700 by 2,200 feet, adjacent to the thermal power plant, much of the installation has a park landscape with a number of possible shrines or monuments scattered about the grounds. There was no evi-

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a number of barracks, administrative, and several industrial fabrication-type buildings which appeared to have been there for some time.

25X1D [REDACTED] the installation was doubled in size with the addition of three large fabrication/assembly-type buildings, one of which has a high-bay section approximately 50 feet in height, and three assembly-type buildings; eight groups of possible cascades, each with five-to-eight possible cylindrical tanks; and numerous smaller structures. Some of the assembly-type buildings may be joined to form U-shaped structures but obliquity and the small scale of the photography preclude an exact determination. About 102 quonset-type structures, which could be used for housing or storage, were also possibly present [REDACTED]

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The expansion which took place between [REDACTED] involved two areas separated by the facility as it existed in [REDACTED]. Construction in the northeast section consisted

largely of heavy industrial buildings and was about equally divided in the western section between housing/storage and fabrication/assembly-type structures. This area was virtually complete by this time. An unidentified building (Figure 5, Item 35), which appears to have six vents or short stacks on its roof and may possibly be a cooling tower, is located in the western section just northeast of one of the fabrication/assembly buildings. A similar, smaller building (Figure 5, Item 39) with four vents or stacks is located about 320 feet west of the larger unidentified building. There appears to be only one reasonably good road between the two areas of expansion, but another road passing through the older part of the installation also affords connection. A third road skirts the southern boundary of the old installation and joins the road on the east which extends to the Static Test Area.

Only a few small buildings and the foundations and framing for three assembly-type buildings (Figure 5, Items 54-56) in the northeast section were constructed between [REDACTED]. The assembly-type buildings, which may be joined to form a U-shaped structure, were completed by [REDACTED] and construction appears to be continuing at the installation. Additional data on structures at the unidentified industrial installation and housing area are given in Table 2.

The installation does not appear to be rail served. A short rail spur north of the installation serves five warehouse-type buildings which are outside the area and appear to be more

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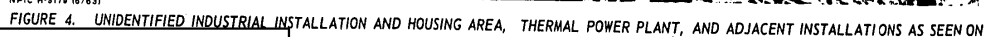
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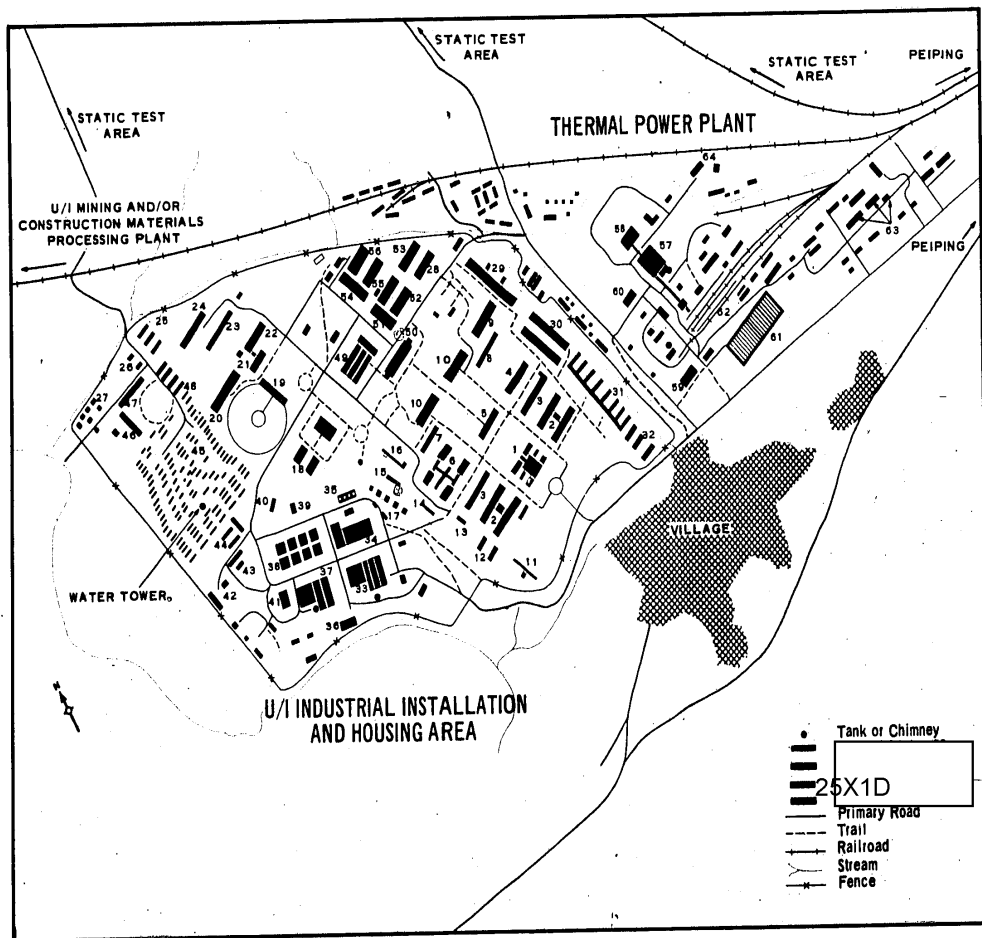
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FIGURE 5. UNIDENTIFIED INDUSTRIAL INSTALLATION AND HOUSING AREA, AND THERMAL POWER PLANT.

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closely associated with the test complex. The spur could possibly be extended southward to serve the installation by bridging a small stream but, because of drainage and terrain features, the turning radius would probably be too severe. There do not appear to be any good direct access roads from the industrial installation to the Static Test Area. A good, though indirect road, constructed sometime between [ ] and [ ] parallels the eastern boundary of the installation separating it from the thermal power plant and extends to the Static Test Area. One reasonably good road from the industrial installation joins this road at the northeast corner of the industrial area. A second, less obvious

route constructed since [ ] appears to extend from the western corner of the industrial installation to the area near the base of the static test stands. Its tie-in to the industrial installation cannot be determined due to the scale and obliquity of the photography. A good road extends eastward from the installation to a large housing and/or possible R & D area and thence on to Peiping. In [ ] this road passed through the area presently occupied by the thermal power plant and skirted the northern edge of the area now occupied by the industrial installation. Between [ ] this road was re-routed and improved and now parallels the southern boundary of the installation.

Table 2. Data on Structures at Unidentified Industrial Installation and Housing Area

Item (Fig 5)	Description	Dimensions (ft)	Remarks
1	Probable admin bldg	265 x 155	
2	Barracks-type bldgs, H-shaped (2)	270 x 45	
3	Barracks-type bldgs (2)	270 x 35	
4	Barracks-type bldg	250 x 45	
5	Barracks-type bldg	200 x 45	
6	Barracks-type bldgs (4)	100 x 25	
7	Barracks-type bldg	195 x 20	
8	Barracks-type bldg	270 x 20	
9	Barracks-type bldg, 2-story	250 x 40	
10	Barracks-type bldgs 2-story (2)	210 x 40	
11	Laboratory-type bldg	250 x 25	
12	Barracks-type bldgs (2)	90 x 30	
13	Barracks-type bldg	90 x 35	
14	Barracks-type bldg	90 x 35	
15	Barracks-type bldg	125 x 30	
16	Laboratory-type bldg	210 x 25	
17	U/I bldgs (4)	50 x 25	
18	U/I bldgs, 2-story (2)	100 x 40	

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(Table 2 - Continued)

Item (Fig 5)	Description	Dimensions (ft)	Remarks
19	U/I bldg	240 x 55	
20	U/I bldg	210 x 50	
21	Laboratory-type bldg, 2-story	150 x 45	
22	Laboratory-type bldg	200 x 45	
23	Barracks-type bldg	285 x 25	
24	Barracks-type bldg	275 x 25	
25	Warehouse-type bldgs (3)	90 x 25	
26	Warehouse-type bldgs (2)	50 x 25	
27	Possible dwellings (7)	25 x 25 50 x 20	
28	Fabrication/assembly bldg	195 x 45	
29	U/I bldg	420 x 40	
30	Poss garages or vehicle repair shops (2)	370 x 25	
31	Barracks-type bldgs (8)	105 x 30	
32	Barracks-type bldgs (3)	105 x 30	
33	Fabrication/assembly-type bldg	260 x 110 x 25	
34	Fabrication/assembly-type bldg	310 x 100 x 50	
35	U/I bldg, with 6 poss vents or stacks	120 x 35 x 40	
36	U/I bldg	120 x 50	
37	Fabrication/assembly-type bldg	250 x 110 x 30	
38	Poss cylindrical tanks, approx 70-75 ft long (49)	--	
39	Warehouse-type bldg, with 4 vents or stacks	90 x 40	
40	Warehouse-type bldg	90 x 30	
41	U/I bldg	85 x 55 x 30	
42	Warehouse-type bldg	150 x 35	
43	Warehouse-type bldg	160 x 30	
44	Warehouse-type bldg (3)	100 x 25	
45	Quonset-type bldgs (102)	45 x 20- 75 x 20	

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(Table 2 Continued)

Item (Fig 5)	Description	Dimensions (ft)	Remarks
46	Warehouse-type bldg	240 x 25	
47	Warehouse-type bldg	250 x 25	
48	Warehouse-type bldgs (4)	75 x 25	
49	Assembly-type bldg	270 x 145 x 50	
50	Admin/engineering-type bldg, 5-story	290 x 65 x 65	
51	Assembly-type bldg	180 x 50 x 30	
52	Assembly-type bldgs (2)	205 x 50 x 35	
53	Assembly-type bldg	195 x 45 x 25	
54	Assembly-type bldg	180 x 50	
55	Assembly-type bldg	205 x 65	
56	Assembly-type bldg	205 x 75 x 55	

## THERMAL POWER PLANT

A large thermal power plant, about 0.5 nm southeast of the Static Test Area, occupies an area approximately 2,600 by 1,300 feet adjoining the unidentified industrial installation and housing area on the east (Figures 4 and 5). With the exception of one or two small structures, the plant was built between [REDACTED]

[REDACTED] The main buildings at the power plant and about 45 support-type buildings ranging in size from 40 by 30 to 165 by 40 feet were built between [REDACTED] No expansion of facilities was evident between [REDACTED] but five warehouse-type buildings, three in the eastern part of the plant area and two along the northern perimeter, were added between [REDACTED]

[REDACTED] The plant probably produces power for a

number of installations in the Chang-hsin-tien area, and is rail and road served. A rail-served fuel storage yard, measuring approximately 640 by 90 feet, is connected by conveyor with the main plant building 370 feet north of the yard. Located about 675 feet south of the main plant building is a possible cooling bed area containing two groups of seven possible cooling beds, each approximately 150 feet in length and of undetermined width. The area, measuring approximately 490 by 190 feet, is surrounded by a fence or road. There appear to be no good road connections between the possible cooling bed area and the rest of the power plant. No power traces or lines from the plant are discernible on the photography. Additional data on structures at the thermal power plant are given in Table 3.

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Table 3. Data on Structures at Thermal Power Plant

Item (Fig 5)	Description	Dimensions (ft)	Remarks
57	Power plant, main bldg	180 x 150	
58	Power plant, secondary bldg	140 x 70	
59	U/I bldg	125 x 50	
60	U/I bldg	95 x 40	
61	Poss cooling bed area, contains 14 beds 150 feet long	490 x 190	
62	Fuel storage yard	640 x 90	
63	Warehouse-type bldgs (3)	120 x 30 120 x 30 90 x 30	
64	Warehouse-type bldgs (2)	105 x 30 40 x 30	

#### HOUSING AND/OR POSSIBLE R & D AREA

A large multiple-dwelling housing and/or possible R & D area, approximately 1,850 by 1,350 feet, is located about one nm southeast of the Static Test Area and 0.5 nm east of the thermal power plant (Figures 6 and 7). There was no evidence of the installation in the area on the [REDACTED] photography. Most of the facilities were constructed between [REDACTED] and construction appeared to be continuing in [REDACTED]. The area contains 36 two- to four-story apartment-type buildings, 3 engineering-type buildings, a water tower, and numerous other structures. Northeast of the area, and across the main transport routes to

Peiping, are 5 four-story apartment-type buildings measuring 155 by 35 feet, a five-story apartment-type building measuring 270 by 55 feet, and a number of smaller buildings. Data on structures at the housing and/or possible R & D area and vicinity are given in Table 4.

The main rail line to Peiping passes north of the area. Good road connections extend westward to the thermal power plant and the unidentified industrial installation and housing area, and eastward to Peiping. Another good road leading to the unidentified secured area about one nm to the south parallels the eastern boundary of the area.

#### UNIDENTIFIED SECURED AREA

An unidentified secured area, approximately 3,500 by 2,000 feet, is located on level ground about one nm south of the housing and/or possible R & D area (Figures 6 and 7). There was

no evidence of this installation on the [REDACTED] or [REDACTED] photography. In [REDACTED] a new road was under construction into the general area from a point just east of the

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Table 4. Data on Structures in Housing and/or Possible R &amp; D Area and Vicinity

Item (Fig 7)	Description	Dimensions (ft)	Remarks
1	Apartment-type bldgs, 4-story (22)	155 x 35	
2	Apartment-type bldgs, 4-story (7)	175 x 35	
3	Poss admin bldg, 4-story	260 x 70	
4	Poss admin/dispensary-type bldgs, H-shaped (2)	280 x 35	
5	Apartment-type bldgs, 2-3-story (6)	90 x 30	
6	Engineering-type bldg, U-shaped	150 x 125	
7	Engineering-type bldg, U-shaped	200 x 130	
8	U/I bldg	150 x 70	
9	U/I bldg, U-shaped	130 x 105	
10	Apartment-type bldg, 4-story	155 x 40	
11	Engineering-type bldg, L-shaped	150 x 90	
12	Warehouse-type bldgs (7)	135 x 25	
13	Warehouse-type bldgs (7)	65 x 25	
14	Warehouse-type bldgs (5)	50 x 25 100 x 25	
15	U/I bldg, H-shaped	255 x 40 160 x 40	
16	Warehouse-type bldgs (2)	75 x 25	
17	Warehouse-type bldg	100 x 30	
18	Warehouse-type bldg	100 x 30	
19	Quonset-type bldgs (12)	60 x 20	
20	Apartment-type bldgs, 4-story (5)	155 x 35	
21	Quonset-type bldgs (9)	90 x 25	
22	Quonset-type bldgs (14)	45 x 20	
23	Apartment-type bldg, 5-story	270 x 55	

housing and/or possible R & D area. There were nine structures at the north end of the area by [ ] and some ground scarring was evident. By [ ] a road had been extended down the center of the area, with probable perpendicular roads or ditches off either

side extending toward the fence lines. Two unidentified objects, approximately 40 feet apart, are located at the ends of each of the four probable perpendicular roads or ditches. By [ ] the area had been secured by an outer fence, and it appears that a possible inner fence

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FIGURE 6. HOUSING AND/OR POSSIBLE R & D AREA, UNIDENTIFIED SECURED AREA, AND ADJACENT INSTALLATIONS AS SEEN ON [REDACTED]

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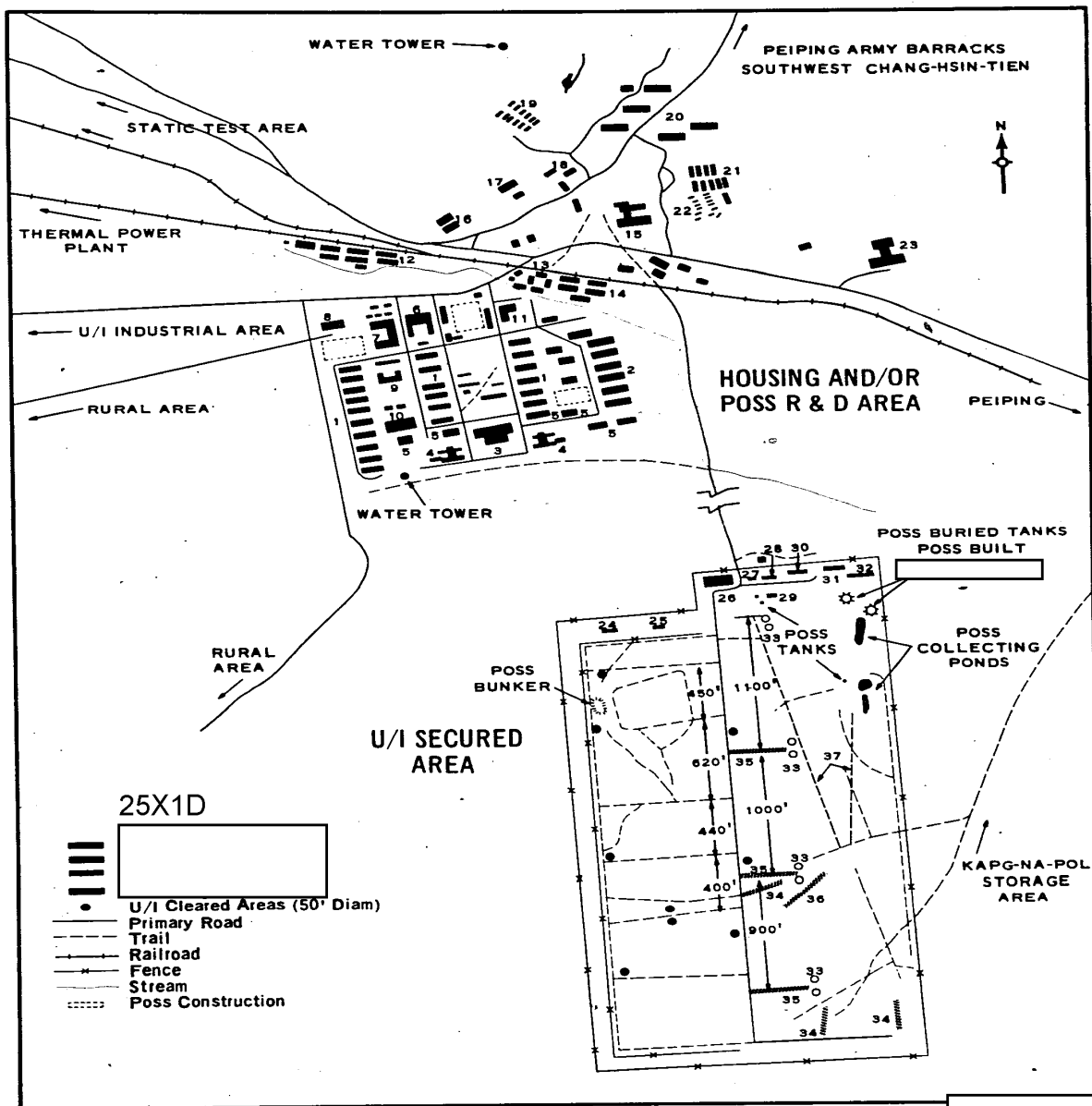


FIGURE 7. HOUSING AND/OR POSSIBLE R & D AREA, AND UNIDENTIFIED SECURED INSTALLATION.

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is being erected along three sides of the installation paralleling a rectangular inner road. There are three possible collecting ponds and a number of possible associated tanks in the north-eastern corner of the area. New ground scar-

ring was observed on the [ ] photog-raphy. Construction appears to be continuing. Data on structures at the unidentified secured area are given in Table 5.

Table 5. Data on Structures at Unidentified Secured Area

Item (Fig 7)	Description	Dimensions	Remarks
24	U/I bldg	90 x 35	
25	U/I bldg	60 x 25	
26	U/I bldg	175 x 90	
27	U/I bldg	55 x 25	
28	U/I bldg	80 x 30	
29	U/I bldg	55 x 25	
30	U/I bldg	145 x 25	
31	U/I bldg	145 x 25	
32	U/I bldg	145 x 30	
33	U/I objects, approx 40 ft apart (8)	---	
34	Prob ditches (3)	150 long (2) 370 long (1)	
35	Prob ditches or roads (3)	370 long	
36	Ditch	440 x 20	
37	Poss cable or pipe- lines (2)	1,850 long (1) 1,100 long (1)	

25X1D

#### UNIDENTIFIED STORAGE AREA

A group of 15 warehouse-type buildings is located about midway between the unidentified industrial installation and housing area and the unidentified mining and/or construction material processing plant (Figures 2 and 3). The 7 larger buildings range from 130 to 200 feet long and are 50 feet wide, and the 8 smaller buildings range from 60 by 25 to 80 by 35 feet in size. This facility does not appear to have been present in [ ] and its existence could not be confirmed or negated on the photography

[ ] Five of the larger buildings and 7 of the smaller buildings were present in [ ] and foundations for the other 3 were under construction. The rail line which terminates at the unidentified mining and/or construction material processing plant parallels the southern boundary of the installation, but no offloading facilities can be discerned. Several roads serving the area lead to villages 0.5 and one nm, respectively, south and west of the buildings.

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### CHANG-HSIN-TIEN MUNITIONS STORAGE AREA

25X1D The Chang-hsin-tien munitions storage area, about one nm east of the Static Test Area, has probably been abandoned (Figures 2 and 3). It was active as late as [REDACTED], when it had a large rail-served loading dock and contained approximately 19 munitions storage bunkers and other structures. No munitions

storage features can be identified on photography of [REDACTED] the central part of the area contained a reservoir, and on the photography of [REDACTED] the rail spur had been dismantled and much of the area appeared to have been returned to agriculture.

### KAPG-NA POL STORAGE AREA

A rail-served POL storage area is located about one nm east-southeast of the housing and/or possible R & D area (Figures 2 and 3), and approximately 2.0 nm from the unidentified industrial installation and housing area and the Static Test Area. It is secured and contains about 12 buildings ranging from approximately 40 by 20 to 40 by 40 feet in size. There are 37 storage tanks in the area ranging from approximately 10 to 50 feet in diameter, as follows:

No of tanks	Diameter approx (ft)
4	10
17	20
5	25
2	30
2	40
7	50

No apparent changes in the area were observed on the photography of [REDACTED] and no pipelines could be discerned.

### SOD AIRFIELD

25X1D A small sod airfield is located about 2 nm south-southwest of the unidentified secured area and 4 nm south of the unidentified industrial installation and housing area (Figure 2). The airfield, first observed in [REDACTED], is an improved landing strip about 2,000 feet long. It appeared

complete at that time with approximately 16 buildings. No direct road connections from the airfield to other installations in the vicinity of the Static Test Area can be discerned. No apparent expansion of the airfield facilities has been observed since [REDACTED]

### UNIDENTIFIED MINING AND/OR CONSTRUCTION MATERIAL PROCESSING PLANT

25X1D The unidentified mining and/or construction material processing plant is located about 2.5 nm northwest of the Static Test Area and the unidentified industrial installation and housing area, at the western terminus of the rail line which passes between the two latter installations (Figures 2 and 3).

The plant appears to have changed little since it was first observed on the [REDACTED] photography. It consists of a number of excavations and scattered mining and/or industrial-type buildings, one of which has four stacks and measures approximately 160 by 80 feet.

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#### AREAS OF MILITARY ACTIVITY

Military installations in the general vicinity of the test complex include the following: Peiping Army Barracks Southwest Chang-hsin-tien, 2 nm to the southeast; Military Barracks and Depot Chang-hsin-tien Area, 2.5 nm to the east-northeast; and Military Barracks Area Nan-ying, 2 nm to the north-northeast (Figures 2 and 3). The first two installations are rail and road served; the third is road served only. A proving ground or test area for tracked vehicles is associated with each of the installations. There is no photographic evidence of a relationship between these installations and the test complex, and no evidence of short range tactical missile systems within the area under consideration. The Peiping Railroad Equipment Repair Plant Chang-hsin-tien lies between the first and second installations.

pansion consisted primarily of barracks and storage-type buildings. The only significant change at the Peiping Army Barracks Southwest Chang-hsin-tien occurred between [REDACTED] and [REDACTED], with the addition of a secured facility measuring 1,480 by 670 feet in the northern part of the area. The facility contains one large industrial assembly-type building measuring approximately 550 by 460 feet, and two smaller industrial-type buildings. The rail-served open storage area at the Military Barracks and Depot Chang-hsin-tien Area had been largely taken up with buildings, and most of the rail spurs removed, by [REDACTED]. The only significant change between [REDACTED] and [REDACTED] was the completion of buildings under construction in [REDACTED]. The Military Barracks Area Nan-ying is largely unchanged since [REDACTED] except for the appearance of an adjacent SA-2 SAM site which was first observed on the photography of [REDACTED].

25X1D All three military installations were present

25X1D on the [REDACTED] photography. Between [REDACTED]

25X1D [REDACTED] the first installation was doubled in size, and the other two more than tripled in size. Ex-

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REFERENCES

PHOTOGRAPHY

Mission	Date	Pass	Camera	Frames	Classification
[redacted]					[redacted]

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[redacted] 25X1C

MAPS OR CHARTS

- SAC. US Air Target Chart, Series 200, Sheet 0381-1AL, 2d ed, Jul 60, scale 1:200,000 (SECRET)
- ACIC. US Target Complex Chart, Series 100, Sheet 0381-9994-100A, 2d ed, Feb 56 (CONFIDENTIAL)

DOCUMENT

1. NPIC. R-27/63, Missile and Propulsion Test Complex Near Peiping, China, Mar 63 (TOP SECRET [redacted])

RELATED DOCUMENTS

- SAC. A00717K3, Peiping Rocket Engine Test Facility, 28 Feb 63 (TOP SECRET [redacted])
- DIA. S-123-63 (S), Peiping Missile Research and Development Activities, Mar 63 (TOP SECRET [redacted])
- DIA. A0002167 (S), Peiping Missile Research and Development Activities, Mar 63 (TOP SECRET [redacted])

REQUIREMENT

CIA. OSI/R-99/63

NPIC PROJECT

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